

BN
81. (New) The transmitter of claim 33, wherein the input data include auxiliary data and video data, and the circuitry is configured to generate a sequence of video code words by encoding the video data, and to assert to the output a first burst of the video code words followed by at least two bursts of the selected code words followed by a second burst of the video code words, wherein each of the video code words is a member of the full code word set and at least one of the video code words is not a member of the robust subset.

REMARKS:

Please enter the foregoing amendments and add new claims 76-81.

Also, attached for review and approval by the Examiner are proposed revised versions of Figs. 2, 3, and 5 with the proposed changes shown in red ink. The proposed revised drawings are being submitted simultaneously to the Official Draftsman for review. The proposed change to Fig. 2 is to conform Fig. 2 to the description thereof at page 16, last paragraph, of the specification. The proposed change to Fig. 3 is to conform Fig. 3 to the description at page 22, last line to page 23, line 3, and page 23, last paragraph, of the specification. The proposed change to Fig. 5 is to conform to the description at page 22, lines 11-25, of the specification.

Respectfully submitted,

GIRARD & EQUITZ LLP

Dated: 2/13/02

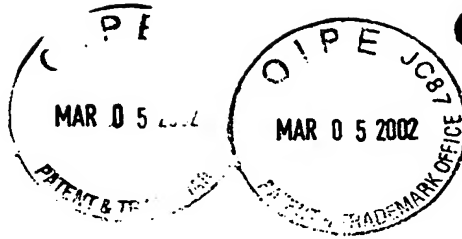
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Attorney Docket No. SII-1000 [SIMG-0115]

APPENDIX



Application Serial No. 10/036,234

Replace page 2, line 14, with the following text: --over conductor pairs [without the presence of a ground line]);--.

Replace page 23, line 22, with the following text: --the bottom of Fig. 6 [, or a polarity inverted version of this code word]) is transmitted--.

Replace page 27, line 4, with the following text: -- available the appropriate number of guard band [word] words is a factor in the selection of the

Replace page 29, line 9, with the following text: --bits). Each possible value of the M-bit source data has a preselected code in the $2^M[-]$ --.

Replace page 29, line 11, with the following text: --are mapped to inventive code words in the $2^M [-]$ word space which are then transmitted--.

Replace page 29, line 31, with the following text: --and [E[8]] Q[8]) present greater error risks than do the other bits. Any bit error occurring--

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Amend claims 16, 17, 25, 31, 32, 43, 44, 52, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 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662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 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31. (Amended) The system of claim 30, wherein the selected code words consist of seventeen different TMDS code words, including at least one TMDS code word used only as a guard band word.

32. (Amended) The system of claim 30, wherein the selected code words consist of seventeen, different, transition-minimized TMDS code words, including at least one transition-minimized TMDS code word used only as a guard band word.

43. (Amended) The transmitter of claim 34, wherein the serial link is a TMDS link, and the selected code words consist of seventeen different TMDS code words, including at least one TMDS code word used only as a guard band word.

44. (Amended) The transmitter of claim 43, wherein the selected code words consist of seventeen different, transition-minimized TMDS code words, including at least one transition-minimized TMDS code word used only as the guard band word.

52. (Amended) The transmitter of claim 33, wherein each of the selected code words is indicative of a sequence of L binary bits, and the selected code words have fewer contiguous zero bits and [continuous] contiguous one bits per code word on the average than do the code words of the full code word set excluding the selected code words.

64. (Amended) The method of claim 54, wherein the selected code words consist of seventeen different TMDS code words, including at least one TMDS code word used only as a guard band word.

65. (Amended) The method of claim 54, wherein the selected code words consist of seventeen different, transition-minimized TMDS code words, including at least one transition-minimized TMDS code word used only as a guard band word.

73. (Amended) The method of claim 54, wherein each of the selected code words is indicative of a sequence of L binary bits, and the selected code words have fewer contiguous zero bits and [continuous] contiguous one bits per code word on the average than do the code words of the full code word set excluding the selected code words.

Specific CTL	CTL [1:0]	Preamble (q0 : q9)	Guardband (q0 : q9)	GB (d7 : d0)	Purpose
R (CTL [3:2])	00	0010101011	0011001101	0xAB	Video Preamble/Video Guardband/Post-Data Aux Guardband
G (CTL [1:0])	00	0010101011	0011001101	0xAB	Video Preamble/Video Guardband/Post-Data Aux Guardband
B (VSYNC:HSYNC)	XX	1 of 4 values	0011001101	0xAB	Video Preamble/Video Guardband
R (CTL [3:2])	01	1101010100	1100110010	0x55	Aux Preamble/Pre-Data Aux Guardband
G (CTL [1:0])	10	0010101010	1100110010	0x55	Aux Preamble/Pre-Data Aux Guardband
B (VSYNC:HSYNC)	XX	1 of 4 values	1 of 4 values	0x5B, 0xB5, 0xD3, 0xD9	Aux Preamble/Pre- or Post-Data Aux Guardband
R (CTL [3:2])	10	0010101010			VSync Window, HDCP enabled
G (CTL [1:0])	00	0010101011			VSync Window, HDCP enabled
B (VSYNC:HSYNC)	1X	1 of 2 values			VSync Window, HDCP enabled

FIG. 3

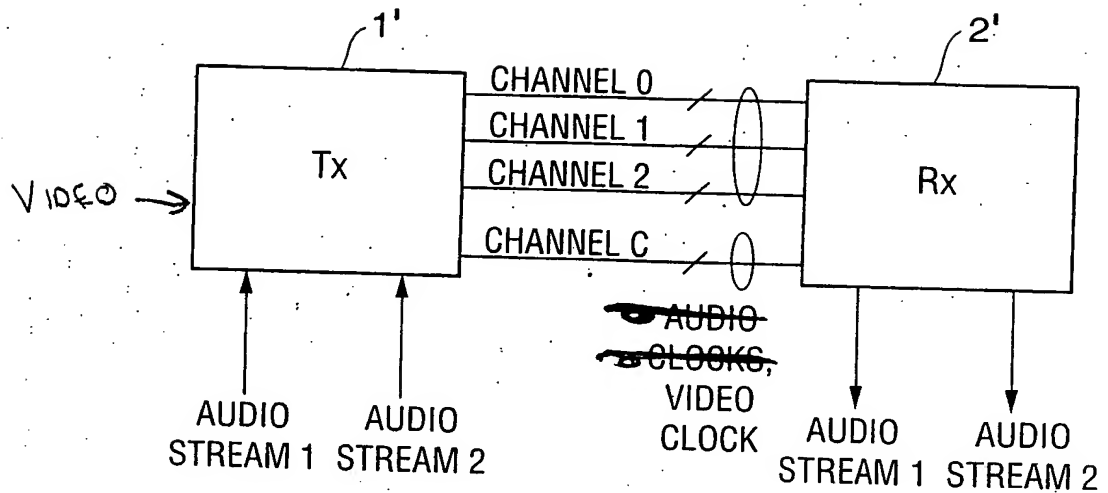


FIG. 2

	Input D7-D0	Hex	TMD5 pattern
PRE-DATA GUARD BAND for Aux data	01010101	55	1100110010
AD0	01011011	5B	0011100101
AD1	10110101	B5	0110001101
AD2	11010011	D3	0010011101
AD3	11011001	D9	0100011101
AD4	01101101	6D	0111000101
AD5	10100100	A4	0011100110
AD6	10010010	92	0111000110
AD7	01000100	44	0011110010
AD8	00100010	22	0111100010
AD9	01001011	4B	1001110010
AD10	10010011	93	1000111010
GUARD BAND for video data and POST-DATA GUARD BAND for Aux data (and AD11)	10101011	AB	0011001101
AD12	01011010	5A	1100011001
AD13	01101100	6C	1000111001
AD14	10100101	A5	1100011010
AD15	10111010	BA	1100001101

FIG. 4

FIG. 5

